

**SYSTEM AND METHOD FOR ALLOCATING RANDOM
ACCESS MEMORY IN A MULTIFUNCTION PERIPHERAL DEVICE**

ABSTRACT OF THE INVENTION

5 A system and method are provided for adaptively
allocating random access memory (RAM) in an multifunctional
peripheral (MFP) device with a plurality of components. The method
comprises: supplying an interface; and, in response to interface
prompts, selecting the allocation of RAM for MFP features or
10 components. Typically, the MFP device includes fax, scanner, printer,
and copier components, and the method further comprises selecting
the allocation of RAM for MFP components selected from the group
including fax, scanner, printer, or copier. The method further
comprises: selecting the allocation of RAM for MFP features selected
15 from the group including post script (PS) documents, printer control
language (PCL) documents, tagged image file format (TIFF)
documents, or portable document format (PDF) documents.

 Supplying an interface includes supplying front panel
graphical user interface (GUI) to present RAM allocation options, and
20 selecting the allocation of RAM for MFP functions in response to
interface prompts includes allocating portions of RAM in response to
GUI prompts. Alternately, the MFP is connected to a computer
workstation with a display. Then, supplying an interface includes
receiving a request from a browser loaded on the computer
25 workstation and, from an embedded web server in the MFP, supplying
a GUI to the computer workstation display, presenting RAM allocation
options.